

06/18/01
JC806 U.S. PTO

06-19-01

A

PORTER WRIGHT MORRIS & ARTHUR LLP
Attorneys & Counselors at Law

Edwin M. Baranowski
PATENTS AND TRADEMARKS

614-227-2188
ebaranowski@porterwright.com

41 South High Street
Columbus, Ohio 43215-6194

Facsimile: 614-227-2100
Toll Free: 800-533-2794

JC872 U.S. PTO
09/883682
06/18/01

By Express Mail Receipt No. EL915638730US on June 18, 2001

Box Patent Application
Commissioner for Patents
Washington, D.C. 20231

Re: Inventor: Cory Phillips
Serial Number: To be assigned.
Filed June 18, 2001 by Express Mail
Title: COMPACT REACTOR CAPABLE OF BEING CHARGED WITH
POWDERED CATALYTIC MATERIAL FOR USE IN A HYDROGEN
GENERATION/FUEL CELL SYSTEM

Dear Sir:

For filing, we are enclosing the following in the above-referenced application for United States Letters Patent:

1. Utility Patent Application Transmittal, Form PTO/SB/05
2. Fee Transmittal, Form PTO/SB/17, including an authorization to charge fees to Deposit Account 16-2326 (in duplicate).
3. Specification with cover sheet (21 pages (Paragraphs 0001-0050) and 32 claims).
4. Abstract (Paragraph 0051).
5. Drawings: 9 sheets (Figures 1A, 1B, 1C, 1D, 1E, 2A, 2B, 2C, 3A, 3B, 4A, 4B).
6. Declaration and Power of Attorney.

A Certificate of Filing by Express Mail follows on page 2 of this cover letter.

Please acknowledge receipt of the foregoing by stamping the enclosed postcard and returning it to us for our file.

Very truly yours,



Edwin M. Baranowski

Enclosures

Box Patent Application

Commissioner for Patents

Inventor: Cory Phillips

Title: COMPACT REACTOR CAPABLE OF BEING CHARGED WITH
POWDERED CATALYTIC MATERIAL FOR USE IN A HYDROGEN
GENERATION/FUEL CELL SYSTEM

June 18, 2001

Page 2

CERTIFICATE OF FILING BY EXPRESS MAIL

I hereby certify that this Application United States Letters Patent comprising:

1. Utility Patent Application Transmittal, Form PTO/SB/05
2. Fee Transmittal, Form PTO/SB/17, including an authorization to charge fees to Deposit Account 16-2326 (in duplicate).
3. Specification with cover sheet (21 pages (Paragraphs 0001 - 0050) and 32 claims).
4. Abstract (Paragraph 0051).
5. Drawings: 9 sheets (Figures 1A, 1B, 1C, 1D, 1E, 2A, 2B, 2C, 3A, 3B, 4A, 4B).
6. Declaration and Power of Attorney.

accompanied by an itemized postcard receipt, is being deposited with the United States Postal Service by Express Mail Receipt No. EL915638730US in an envelope addressed to: Box Patent Application, Commissioner for Patents, Washington, D.C. 20231 on June 18, 2001.



Edwin M. Baranowski

06/18/01 JCS06 U.S. PTO

Please type a plus sign (+) inside this box → ☐

PTO/SB/05 (03-01)
Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	3994994-134322
First Inventor	Cory Phillips
Title	Compact Reactor Capable of....
Express Mail Label No.	EL915638730US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
- ☐ Applicant claims small entity status.
See 37 CFR 1.27.
- ☒ Specification [Total Pages 21]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
- ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 9]
- Oath or Declaration [Total Pages 30]
 - ☒ Newly executed (original or copy)
 - ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - ☐ Computer Readable Form (CRF)
 - Specification Sequence Listing on:
 - ☐ CD-ROM or CD-R (2 copies); or
 - ☐ paper
 - ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

- ☐ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
- ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: _____ / _____

Prior application information:

Examiner _____

Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☐ Correspondence address below

Name	Edwin M. Baranowski				
	Porter Wright Morris & Arthur LLP				
Address	41 South High Street				
City	Columbus	State	Ohio	Zip Code	43215
Country	USA	Telephone	614/227-2188	Fax	227-2100

Name (Print/Type)	Edwin M. Baranowski	Registration No. (Attorney/Agent)	27,482
Signature	<i>Edwin M. Baranowski</i>	Date	06-18-01

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$) 1,196

Complete if Known

Application Number

Filing Date

June 18, 2001

First Named Inventor

Cory Phillips

Examiner Name

Group Art Unit

Attorney Docket No.

3994994-134322

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit
Account
Number

16-2326

Deposit
Account
NamePorter Wright Morris &
Arthur

- ☒ Charge Any Additional Fee Required
Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status.
See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit card ☐ Money
Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	710
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	
SUBTOTAL (1)					710

2. EXTRA CLAIM FEES

Total Claims 32 -20** = 12 x 216 = 216
 Independent Claims 1 -3** = -- x -- = --
 Multiple Dependent 270 = 270

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
103	18	203	9	Claims in excess of 20	
102	80	202	40	Independent claims in excess of 3	
104	270	204	135	Multiple dependent claim, if not paid	
109	80	209	40	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					486

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY

Name (Print/Type)

Edwin M. Baranowski

Registration No.
(Attorney/Agent)

27,482

Complete (if applicable)

Telephone

614/227-2188

Signature

Edwin M. Baranowski

Date

06-18-01

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